

GUIDE FOR BARC RADIOACTIVE MIXED VVASTE PROFILE REPORT

The following information is required for all waste to be considered for transportation, storage, treatment, or disposal at Quadrex HPS. It is used to determine that the waste may be transferred, stored, treated, or disposed of in a legal, safe, and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in black ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

II - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. - solvent, acrid, sweet, etc.)

PHYSICAL STATE - Check as many as apply

FREE LIQUID - If any is packaged for shipment estimate percent of volume.

pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste as available.

SPECIFIC GRAVITY -The weight of the waste in terms of the weight of an equal volume of water.

FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

III - COMPONENTS

PART A - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets, or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5) indicate specific acid or caustic specks. Any hazardous components present in "trace" amounts and not specifically mentioned in Parts D or E and/or E should be included, even if specific concentrations are not known. Any components listed in PART's D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART B - METAL

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix JJ.

PART C - RADIOACTIVE COMPONENTS

Emits alpha, beta, or gamma radiation above normal background levels.

PART D - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: Will ignite spontaneously in air at below 130 degrees F (54.4 degrees C). SHOCK SENSITIVE: Normally unstable and readily undergoes violent change without detonating. EXPLOSIVE: Capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 40 CFR 173.53, or a class B explosive as defined in 40 CFR 17.388. WATER REACTIVE: Reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. OTHER: Indications of other reactive characteristics must be included (e.g., autopolymerization, peroxide-forming, etc.).

OTHER HAZARDOUS CHARACTERISTICS - complete if the waste contains or has ever contained any component which is considered to be any of the following. ETIOLOGICAL: A viable micro-organism or its toxin which causes or may cause human disease. PESTICIDE MANUFACTURING WASTE: The waste was produced from a pesticide or herbicide manufacturing process; or the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. OTHER: List any known hazardous carcinogenic, teratogenic, mutagenic).

USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable USEPA CODES.

STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the STATE CODES.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used or a copy of the result.

PART IV - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g., toxicology reports, notifications of significant adverse reactions to health, NIOSH reports, or Material Safety Data sheets). failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this part any information that will aid in the management of the waste (i.e., transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.